

WHAT IS CLAIMED IS:

1. A method for making a blade material manufactured thereby, comprising the steps of:

5 preparing a powder mixture having 40-80 weight % of Vanadium Carbide (VC) powder and 20-60 weight % of Cobalt (Co) powder out of a total of 100 weight %, wherein said VC powder and Co powder have a particle diameter of 100 μm or less, respectively;

10 obtaining a molded material by packing said powder mixture into a mold and then pressing said powder mixture; and

10 sintering said molded material at below 1500°C, wherein said molded and sintered material has a specific gravity of less or equal to seven.

2. The method as defined in claim 1, further comprising the step of adding silver powder at 0.3-3.0 weight % to said powder mixture in relation to the total weight of said powder mixture.

3. The method as defined in claim 1, further comprising the step of adding Titanium (Ti) or Ti alloy powder at 30 or less weight % to said powder mixture in relation to the total weight of said powder mixture.

20

4. The method as defined in claim 1, further comprising the step of adding diamond particles or Cubic Boron Nitride (CBN) particles of 100 μm or less at 15 or less weight % to said powder mixture in relation to the total weight of said powder mixture.

25

5. A blade material manufactured by said method for making a blade described in claims 1 to 4.

30